

CLAIM

76. A method for capture of a biological analyte onto a substrate wherein:
- (a) the ligands used are selected from the group consisting of: heme compounds, siderophores, polysaccharides, and peptides specific for outer membrane proteins, conjugated lipids, and microbial protein targets;
 - (b) the ligand is tethered at a distance of at least fifteen Å from the substrate surface for the capture of microorganisms;
 - (c) the substrate is suitable for a column packing;
 - (d) the biological analytes are selected from the groups of: bacteria, viruses, rickettsiae, protozoa, and fungi.
 - (e) the capture of the biological analytes on the substrate is used for the concentration of the biological analyte from water samples; and
 - (f) the capture of the biological analytes on the substrate is used for the concentration of the biological analyte from medical samples.